ACLS

1. **Bradycardia with Pulse**
   1. **Assymptomatic:** monitor & observe
   2. **Symptomatic**
      1. **Atropine**: 0.5mg, Max:3mg (6 doses)
      2. **Chronotropic Therapy**
         1. **Trans-Cutaneous Pacing**
         2. **Dopamine**: 2mcg/kg/min
         3. **Epinephrine**: 2mcg/min
      3. **Refractory**
         1. **Trans-Venous Pacing**
         2. **Expert Consult**
2. **Tachycardia with Pulse**
   1. **Symptomatic**
      1. **Shock-Synchronized Cardioversion**
         1. **Narrow Regular**: 50-100J
         2. **Narrow Irregular**: 120-200J
         3. **Wide Regular**: 100J
         4. **Wide Irregular**: Defibrillate (200J Desynchronized)
   2. **Assymptomatic**
      1. **Narrow QRS** (<0.12 sec)
         1. **Regular:**
            1. Adenosine 6mg Push followed by NS Flush
            2. Repeat attempts 12mg Push
         2. **Irregular/Refractory**
            1. **Rate Control**

**Diltiazem** (Ca-Channel Blocker)

**Beta-Blockers** (Metoprolol)

* + 1. **Wide QRS**
       1. **Regular Monomorphic**
          1. **Adenosine:** 6mg Push
       2. **Refractory/Polymorphic/Irregular**
          1. **Anti-arrythmics**

**Amiodarone**:

150mg over 10min

Maintenance: 1mg/min for 6hrs.

**Procainimide** (Do NOT use if Prolong-QT):

20-50mg/min until arrhythmia stops

Max: 17mg/kg

Maintenance: 1-4mg/min

**Sotalol** (Do NOT use if Prolong-QT):

20mg/min for 5min (100mg)

1. **Cardiac Arrest (Pulseless)**
   1. **VF/VT**
      1. **Continuous CPR until ROSC**
         1. **Shock**: 200J (120-200J) Biphasic, 360J Monophasic
         2. **IV Access**
      2. **After 2min CPR**
         1. **Shock**
         2. **Epinephrine** (Vasopressor): 1mg every 3-5min
            1. Vasopressin (Alternative): 40 Units for 1st & 2nd Dose
      3. **After 2nd 2min CPR**
         1. **Shock**
         2. **Amiodarone**:
            1. 1st dose: 300mg
            2. 2nd dose: 150mg
         3. **Identify Treatable Causes**
            1. 5 H’s & 5 T’s
   2. **Asystole/PEA**
      1. **Continuous CPR until ROSC**
         1. **IV Access**
         2. **Epinephrine**: 1mg every 3-5min
      2. **After 2min CPR**
         1. **Check if shockable**
            1. **If Shockable**

**Go to VT/VF**

* + - * 1. **If NOT Shockable**

**Identify Treatable Causes**